



Department of Transportation  
Federal Aviation Administration  
Office of Airworthiness  
Washington, D.C.

TSO-C90b

Date 1/20/88

# Technical Standard Order

---

Subject: TSO-C90b, CARGO PALLETS, NETS, AND CONTAINERS

(a) Applicability.

(1) Minimum Performance Standard. This technical standard order (TSO) prescribes the minimum performance standard that cargo unit load devices must meet in order to be identified with the applicable TSO marking. New models of cargo pallets, nets and containers that are to be so identified and that are manufactured on or after the date of this TSO must meet the minimum performance standard of Aerospace Industries Association of America, Inc. (AIA), National Aerospace Standard (NAS), NAS 3610, "Cargo Unit Load Devices - Specification For," Revision 8, dated February 19, 1987.

(2) Exceptions. In lieu of NAS 3610, paragraph 3.5, paragraph (b) of this TSO provides the marking requirements.

(b) Markings. In addition to the marking specified in Federal Aviation Regulations (FAR) Section 21.607(d), the following information shall be legibly and permanently marked on the major equipment components:

- (1) Name and address of the manufacturer.
- (2) The weight of the article to the nearest pound.
- (3) The serial number or date of manufacturer or both.
- (4) The identification of the article in the code system set out in paragraph 1.2.1 of NAS 3610, Revision 8.
- (5) Any limitations or restrictions.
- (6) If the article is not omnidirectional, the words "FORWARD," "AFT," and "SIDE" must be conspicuously and appropriately placed.

(7) The burning rate determined for the article under NAS 3610, paragraph 3.7, Revision 8.

(8) The applicable TSO number.

(c) Data Requirements. In addition to FAR § 21.605, the manufacturer must furnish the Manager, Aircraft Certification Office (ACO), Federal Aviation Administration, having purview of the manufacturer's facilities, one copy each of the following technical data:

(1) One copy of the manufacturer's analysis and/or test results showing compliance with the requirements of this TSO.

(2) One copy of the manufacturer's instructions for installation, operations, servicing, maintenance, and repair of the article.

(3) An assembly drawing of the article showing and describing the actual language of all markings, their location, and size of print.

(d) Data to be furnished with manufactured units. A note with the following statement must be included:

"The conditions and test required for TSO approval of this article are minimum performance standards. It is the responsibility of those desiring to install the article either on or within a specific type of class of aircraft to determine that the aircraft installation conditions are within the TSO standards. If not within the TSO standards, the article may be installed only if further evaluation by the applicant documents an acceptable installation and is approved by the Administrator."

(e) Availability of Reference Documents.

(1) Copies of AIA NAS 3610, Revision 8, may be purchased from the Aerospace Industries Association of America, Inc., 2975 DeSales Street, N.W., Washington, D.C. 20036.

(2) Federal Aviation Regulations Part 21, Subpart O, and Advisory Circular 20-110C, "Index of Aviation Technical Standard Order," are available at the FAA Headquarters in the Office of Airworthiness, Aircraft Engineering Division (AWS-120), and at all regional ACO's.



M.C. Beard  
Director of Airworthiness